

Claims

1. A method for making an injection valve for an internal combustion engine operationally ready, for instance a common rail injector, which on being put into operation is initially at least partly filled with air and to which a liquid medium is supplied via a typical connection for supplying fuel, characterized in that an inner chamber of the injection valve is brought to a pressure that is reduced compared to normal operation, such that existing air bubbles increase in volume compared to the volume in normal operation; and that the medium contained in the aforementioned inner chamber is flushed out, at a reduced pressure that remains at least approximately constant, selectively with multiple repetitions of the operation.

2. The method according to claim 1, characterized in that control signals for opening and closing the injection valve are supplied to the injection valve.

3. The method according to claim 1 or 2, characterized in that the flushing out of the medium is reinforced after leaving the injection valve by supplying a low-pressure medium.

4. An apparatus for performing the method according to one of the foregoing claims, characterized in that the apparatus has:

an adaptor head (14), to be connected to a low-pressure connection or leakage connection of the injection valve (2), which adaptor head can be made to communicate

with a vacuum pump (16), and that a device for supplying medium at high pressure to a standardly provided connection of the injection valve is provided.

5. The apparatus according to claim 4, characterized in that the adaptor head (14) has a connection that is in communication with a low-pressure connection for flushing medium.

6. The apparatus according to claim 4 or 5, characterized in that a return tank (20) for the return quantity is in communication with the adaptor head (14).

7. The apparatus according to one of claims 4 through 6, characterized in that there is at least one switching valve (V1, V2, V3, V4) for controlling chronological events of the apparatus.

8. The apparatus according to claim 7, characterized in that it has a control device, which is connected to a control terminal of the at least one switching valve (V1, V2, V3, V4).

9. The apparatus according to claim 8, characterized in that the control device is coupled to an electrical terminal of the injector.